

WEST Search History

DATE: Wednesday, June 23, 2004

| Hide? | Set Name | Query | Hit Count |
|-------------------------------------|---|----------------------------------|------------------|
| | <i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=DTIC; PLUR=YES; OP=ADJ</i> | | |
| <input type="checkbox"/> | L17 | (nucleic or dna) near10 L16 | 12 |
| <input type="checkbox"/> | L16 | l14 or l15 | 394 |
| <input type="checkbox"/> | L15 | fluorescein\$10 | 3 |
| <input type="checkbox"/> | L14 | fluorescein\$10 | 392 |
| <input type="checkbox"/> | L13 | us-5736626-\$.did. | 2 |
| <input type="checkbox"/> | L12 | (fluoro\$8 or fluore\$8) and L11 | 34 |
| <input type="checkbox"/> | L11 | (l8 or l9 or L10) and l5 | 76 |
| <input type="checkbox"/> | L10 | amino near2 propanediol | 2268 |
| <input type="checkbox"/> | L9 | 2-hydroxyethylglycine | 6 |
| <input type="checkbox"/> | L8 | 2-hydroxyethyl glycine | 522 |
| <input type="checkbox"/> | L7 | fluore\$10 near10 L5 | 30 |
| <input type="checkbox"/> | L6 | nucleic same L5 | 23 |
| <input type="checkbox"/> | L5 | trifunctional | 13437 |
| <input type="checkbox"/> | L4 | us-5451463-\$.did. | 2 |
| <input checked="" type="checkbox"/> | L3 | assay near5 L1 | 14 |
| <input checked="" type="checkbox"/> | L2 | assay near5 L1 | 14 |
| <input checked="" type="checkbox"/> | L1 | protoporphyrinogen oxidase | 325 |

END OF SEARCH HISTORY

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L103 42468 SEA FILE=CAPLUS ABB=ON PLU=ON (DNA OR NUCLEIC)(10A)(CONJUGAT?
OR LABEL? OR LINK?)
L105 823 SEA FILE=CAPLUS ABB=ON PLU=ON L103 (10A) (?AMID?)
L106 243 SEA FILE=CAPLUS ABB=ON PLU=ON L105 AND (CHROMO? OR FLUORO?
OR FLUORE?)
L107 167 SEA FILE=CAPLUS ABB=ON PLU=ON L106 AND PY<2002
L108 436100 SEA FILE=CAPLUS ABB=ON PLU=ON DNA/OBI
L109 125413 SEA FILE=CAPLUS ABB=ON PLU=ON NUCLEIC ACID/OBI
L110 638 SEA FILE=CAPLUS ABB=ON PLU=ON (L108 OR L109)(L)AMID?
L111 4 SEA FILE=CAPLUS ABB=ON PLU=ON L110 AND L107
L112 72 SEA FILE=REGISTRY ABB=ON PLU=ON (350684-99-0/BI OR 350685-01-
7/BI OR 350685-06-2/BI OR 350685-13-1/BI OR 350685-14-2/BI OR
350685-17-5/BI OR 106-96-7/BI OR 1074-82-4/BI OR 110-89-4/BI
OR 112-72-1/BI OR 112-80-1/BI OR 114748-57-1/BI OR 116919-16-5/
BI OR 119462-97-4/BI OR 132435-98-4/BI OR 13255-48-6/BI OR
13497-62-6/BI OR 143-28-2/BI OR 16940-66-2/BI OR 186033-13-6/BI
OR 204061-98-3/BI OR 204061-99-4/BI OR 204062-00-0/BI OR
204062-01-1/BI OR 204062-02-2/BI OR 204062-03-3/BI OR 204062-04-
4/BI OR 204062-05-5/BI OR 204062-06-6/BI OR 204062-07-7/BI OR
204062-08-8/BI OR 204062-10-2/BI OR 2873-29-2/BI OR 302-01-2/BI
OR 302-79-4/BI OR 30525-89-4/BI OR 3301-79-9/BI OR 350684-94-5
/BI OR 350684-95-6/BI OR 350684-96-7/BI OR 350684-97-8/BI OR
350685-04-0/BI OR 350685-05-1/BI OR 350685-07-3/BI OR 350685-08-
4/BI OR 350685-09-5/BI OR 350685-10-8/BI OR 350685-11-9/BI OR
350685-12-0/BI OR 350685-16-4/BI OR 350685-18-6/BI OR 350685-19-
7/BI OR 3891-07-4/BI OR 431-47-0/BI OR 50859-18-2/BI OR
52328-05-9/BI OR 530-62-1/BI OR 5329-33-9/BI OR 540-51-2/BI OR
544-63-8/BI OR 628-89-7/BI OR 63368-54-7/BI OR 64-18-6/BI OR
66-81-9/BI OR 69676-63-7/BI OR 77-78-1/BI OR 7722-64-7/BI OR
7722-84-1/BI OR 78008-15-8/BI OR 7803-49-8/BI OR 9013-20-1/BI
OR 96662-06-5/BI)
L113 48 SEA FILE=REGISTRY ABB=ON PLU=ON L112 AND RSD/FA
L114 1 SEA FILE=REGISTRY ABB=ON PLU=ON L113 AND C22 H14 I N O6/MF
L115 130 SEA FILE=CAPLUS ABB=ON PLU=ON L114
L116 1 SEA FILE=CAPLUS ABB=ON PLU=ON L115 AND L111

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L116 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:116322 CAPLUS
DOCUMENT NUMBER: 114:116322
TITLE: Automated sequencing of **fluorescently**
labeled DNA by chemical degradation
AUTHOR(S): Rosenthal, Andre; Sproat, Brian; Voss, Hartmut;
Stegemann, Josef; Schwager, Christian; Erfle, Holger;
Zimmermann, Juergen; Coutelle, Charles; Ansorge,
Wilhelm
CORPORATE SOURCE: Zentralinst. Molekularbiol., Akad. Wiss. DDR, Berlin,
1115, Ger. Dem. Rep.
SOURCE: DNA Sequence (1990), 1(1), 63-71
CODEN: DNSEES; ISSN: 1042-5179
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new general method for sequencing **fluorescently** labeled DNA by
chem. degrdn. was developed. It is based on the observation that
fluorescein attached via a mercaptopropyl or aminopropyl linker
arm to the 5'-phosphate of an oligonucleotide is stable during the
reactions commonly used in chem. cleavage procedures. DNA to be degraded
is first enzymically synthesized in vitro by annealing and extending a
fluorescently labeled primer thereby introducing the
fluorescent label at the 5'-end of the fragment. The newly
synthesized **fluorescently** labeled DNA is then chem. degraded
using: (a) a set of 4 different cleavage reactions; or (b) only one

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reaction comprising methylation of G-residues followed by a partial cleavage with piperidine in the presence of NaCl. The **fluorescent** degrdn. products are loaded on either 4 lanes or 1 lane of the gel, resp., and the emitted **fluorescence** detected online during electrophoresis. In the four reaction/four lanes method 200-350 bp (base pairs) can be read from the labeled end. The one reaction/one lane method, in which the nucleotide sequence is detd. by measuring different signal intensities following the rule G > A > C > T, currently yields around 100-200 bp of sequence per sample.

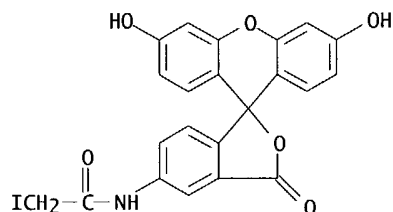
IT 63368-54-7, 5-Iodoacetamidofluorescein

RL: PRP (Properties)

(DNA labeling with, for sequence detn. by chem. degrdn.)

RN 63368-54-7 CAPLUS

CN Acetamide, N-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl)-2-iodo- (9CI) (CA INDEX NAME)



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